



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/903,722      | 07/12/2001  | Kulvir S. Bhogal     | AUS920010450US1     | 9312             |

7590 05/26/2005

Frank C. Nicholas  
CARDINAL LAW GROUP  
Suite 2000  
1603 Orrington Avenue  
Evanston, IL 60201

|          |
|----------|
| EXAMINER |
|----------|

KNOWLIN, THJUAN P

|          |              |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

2642

DATE MAILED: 05/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/903,722

**Applicant(s)**

BHOGAL ET AL.

**Examiner**

Thjuan P. Knowlin

**Art Unit**

2642

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 22 December 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,3-13 and 15-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-13 and 15-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment filed on December 22, 2004 has been entered. Claims 1, 3, 4, 13, 15, 16, and 25 have been amended. Claims 2 and 14 have been cancelled. No claims have been added. Claims 1, 3-13, and 15-25 are now pending in this application, with claims 1, 13, and 25 being independent.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 3-13, and 15-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Regis et al (US 5,442,679), in view of Lee et al (US 6,667,962).
3. In regards to claims 1, 13, and 25, Regis discloses a method and computer usable medium of tracking dropped calls (col. 1 lines 61-63) comprising: determining whether a call is dropped; determining dropped call characteristics if the call is dropped; and logging the dropped call characteristics (col. 12 lines 45-68). Regis, however, does not disclose automatically marking the dropped call, wherein a call drop function is activated. Lee, however, does disclose automatically marking the dropped call, wherein a call drop function is activated (col. 3-4 lines 64-2, col. 4 lines 28-44, col. 5 lines 45-63,

and col. 9 lines 32-43). Therefore, it would have been obvious for one of ordinary skill in the art at the time of the invention to employ the feature of automatically marking a dropped call, wherein the call drop function is activated, as a way of allowing the system to automatically recover dropped calls, therefore, reducing the time required to recover the dropped call.

4. In regards to claims 3, 4, 15, and 16, Regis discloses the method and computer usable medium, wherein activating the call drop function comprises selecting a menu feature (col. 11 lines 1-22 and col. 12 lines 45-68).

5. In regards to claims 5, 6, 17, and 18, Regis discloses the method and computer usable medium, wherein determining the dropped call characteristics comprise: counting time increments in response to a call; and determining a call count based on time increments (col. 2 lines 24-31 and col. 10 lines 39-45).

6. In regards to claims 7, 9, 19, and 21, Regis discloses the method and computer usable medium, wherein the dropped call characteristics comprise a call location (col. 1 lines 13-19).

7. In regards to claims 8 and 20, Regis discloses the method and computer usable medium, wherein the dropped call characteristics comprise a battery charge strength indication (col. 9 lines 32-44).

8. In regards to claims 10 and 22, Regis discloses the method and computer usable medium, wherein the dropped call characteristics comprise a call time and a call date (col. 11-12 lines 45-16).

9. In regards to claims 11 and 23, Regis discloses the method and computer usable medium, wherein logging the dropped call characteristics comprises storing the dropped call characteristics in a memory database (Abstract and col. 12 lines 45-68).

10. In regards to claims 12 and 24, Regis discloses the method and computer usable medium, further comprising transmitting the dropped call characteristics to a provider (Abstract and col. 12 lines 45-68).

### ***Response to Arguments***

11. Applicant's arguments with respect to claims 1, 3-13, and 15-25 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Chun et al (US 6,745,031) teach reconnection of dropped call in mobile communication system.

13. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

14. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not

Art Unit: 2642


mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thjuan P. Knowlin whose telephone number is (571) 272-7486. The examiner can normally be reached on Mon-Fri 8:30-5:00pm.

16. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (571) 272-7488. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

17. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thjuan P. Knowlin

  
AHMAD F. MATAR  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2700